

What is claimed is:

1. A reproducing apparatus for reading out compressed display data comprising a plurality of coupled page data from a recording medium and displaying said display data based upon operations by a user, comprising:
reproducing means for reproducing and reading out said compressed display data from said recording medium as reproducing data;

data restoring means for expanding said compressed reproducing data to restore original display data;

memory means for storing therein said display data restored by said data restoring means;

display means for displaying a predetermined portion of said display data stored in said memory means as display data;

operation means for entering instruction information to instruct the direction in which display data displayed on said display means is scrolled;

hold means for holding instruction information entered by said operation means each time said operation means is operated; and

control means for scrolling display data displayed on said display means at the unit of page data when instruction information held on said hold means instructs scroll in which display data is continuously scrolled in the same direction over a predetermined number of times.

2. A reproducing apparatus according to claim 1, wherein said display data is character information of a predetermined display size, said display means displays thereon said display data in such a manner that a plurality of lines are stacked and said control means scrolls said display data at the unit of line when instruction information held on said hold means instructs scroll in which display data is continuously scrolled in the same direction less than a predetermined number of times.

3. A reproducing apparatus according to claim 1, further comprising timer means and wherein said control means judges instruction information held on said hold means after said timer means had counted a predetermined time period.

4. A reproducing apparatus according to claim 3, wherein said timer means counts a time period before said control means judges instruction information if instruction information is entered by said operation means when said data restoring means is not restoring said compressed reproducing data.

5. A reproducing apparatus according to claim 3, wherein said timer means counts a time period before said control means judges instruction information if information

is entered by said operation means when instruction information is not held on said hold means.

6. A reproducing apparatus for reading out display data comprising a plurality of coupled page data from a recording medium and displaying said display data on a display screen based upon operations by a user, comprising:

reproducing means for reproducing and reading out said display data from said recording medium as reproducing data;

display data processing means for processing said reproduced reproducing data such that said reproduced reproducing data matches said display screen and outputting said processed reproducing data as display data;

control means for displaying part of said display data on said display screen as display data;

operation means for entering instruction information to instruct the direction in which said control means scrolls displayed pictures; and

instruction information hold means for holding instruction information entered by said operation means, wherein

said control means scrolls display data displayed on said display screen at the unit of page data when instruction information held on said instruction information hold means instructs scroll in which display data is continuously scrolled in the same direction over a

predetermined number of times.

7. A reproducing apparatus according to claim 6, further comprising memory means for storing therein said display data processed by said display data processing means and wherein said control means reads out display data of a predetermined size from display data stored in said memory means and displays the display data thus read out on said display screen.

8. A reproducing apparatus according to claim 6, wherein said display data stored in said recording medium is compressed and said display data processing means expands said compressed display data to restore original display data.

9. A reproducing apparatus according to claim 6, wherein said control means scrolls at the unit of page based upon a plurality of instruction information held in said instruction information hold means when instruction information is entered while said display data processing means is processing the reproduced reproducing data.

10. A reproducing apparatus according to claim 6, wherein said reproducing means further includes display means for displaying part of said display data processed by said display data processing means.

11. A reproducing apparatus according to claim 6, wherein said control means erases instruction information held in said instruction information hold means from said instruction information hold means based upon contents of said scroll.

12. A reproducing method of reading out display data from a recording medium in which said display data comprising a plurality of coupled page data are stored and displaying a picture on a display screen based upon user's operations held in a hold means in which user's instruction is held each time a user operates a reproducing apparatus, comprising the steps of:

a step of reproducing and reading out said display data from said recording medium;

a step of converting said read out display data into data of a data format that can be displayed on a display screen;

a step of displaying said converted display data of data format, which can be displayed on said display screen, on said display screen;

a step of converting continuous instructions over a predetermined number from the same user into other operation instructions when user's instructions held in said hold means are same continuous instructions over a predetermined number; and

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a step of displaying display data on said display screen based upon said other instructions when user's instructions are converted into said other instructions.

13. A reproducing method according to claim 12, wherein said display data is character data of a predetermined size and is thereby displayed with a predetermined number of lines and a predetermined number of columns on said display screen.

14. A reproducing method according to claim 12, wherein said other processing is scrolling of said page unit when continuous user's instructions of a predetermined number held in said hold means are instructions of scrolling at unit of one line.

15. A reproducing method according to claim 12, wherein said display data stored in said recording medium is compressed with a predetermined format and processing for converting display data into data of data format that can be displayed on said display screen is a processing for expanding said compressed data to restore original display data.

16. A reproducing method according to claim 12, wherein instructions from a plurality of users held in said hold means are converted into other operation instructions

while said display data is being converted into data of data format that can be displayed on said display screen.

17. A reproducing method according to claim 12, further comprising a step of erasing said converted user's instructions held in said hold means from said hold means when a plurality of instructions from the same user are converted into other operation instructions.

18. A reproducing method according to claim 12, further comprising a step of storing display data in which said read out display data is converted into data of data format that can be displayed on said display screen in memory means and wherein display data displayed on said display screen is read out from said memory means and displayed on said display screen.

19. A reproducing method according to claim 18, wherein said memory means has a storage capacity larger than an amount of display data displayed on said display screen.

20. A reproducing method according to claim 19, wherein new display data displayed by display scrolling is read out from said memory means and displayed on said display screen when said new display data is already stored in said memory means.